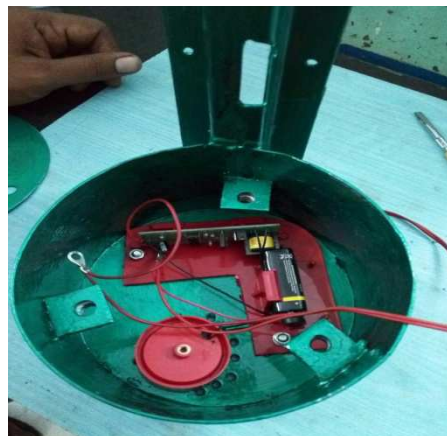


1) **Fire extinguishers with anti-theft mechanism - MDU Divn. - August 2018**



Proto type model of fire extinguishers with anti-theft mechanism

M/s. Ceasefire has developed an anti theft mechanism for fire extinguisher which consists of wire around the fire extinguisher end and other end passes through hooter switch. Any lifting of fire extinguisher will in turn activate the hooter through wire. Since this is not fool proof. an alternate system has been developed in-house by Madurai division.

In this new designed model two limit switches are used, one at the bottom of the fire extinguisher and another at the side body of the fire extinguisher. These two switches are connected in parallel with the battery and the hooter which is placed inside a fabricated metal box (alarm box) as shown below. The alarm box and the fire extinguisher hanger are screwed in the side body channel of lavatories.

The box is fabricated in such a way that, the hooter circuit and one limit switch are fixed below the fire extinguisher which is a concealed type and it is screwed with Allen type screws. Another limit switch is fixed in the side channel of the fabricated box.

If the fire extinguisher is in hanged condition, the two limit switches provided below and side of the fire extinguisher will be in open condition(circuit in open condition so there is no sound). If the fire extinguisher taken from the hanger then the two switches become closed condition (circuit in closed and hooter starts sounding).

